

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

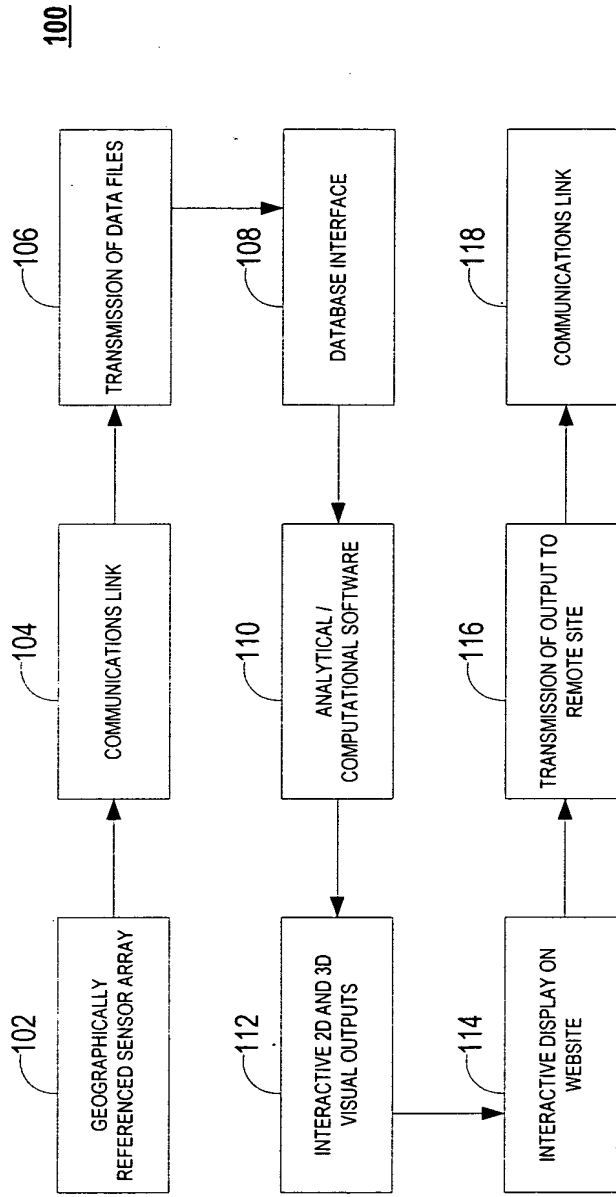


FIG. 1

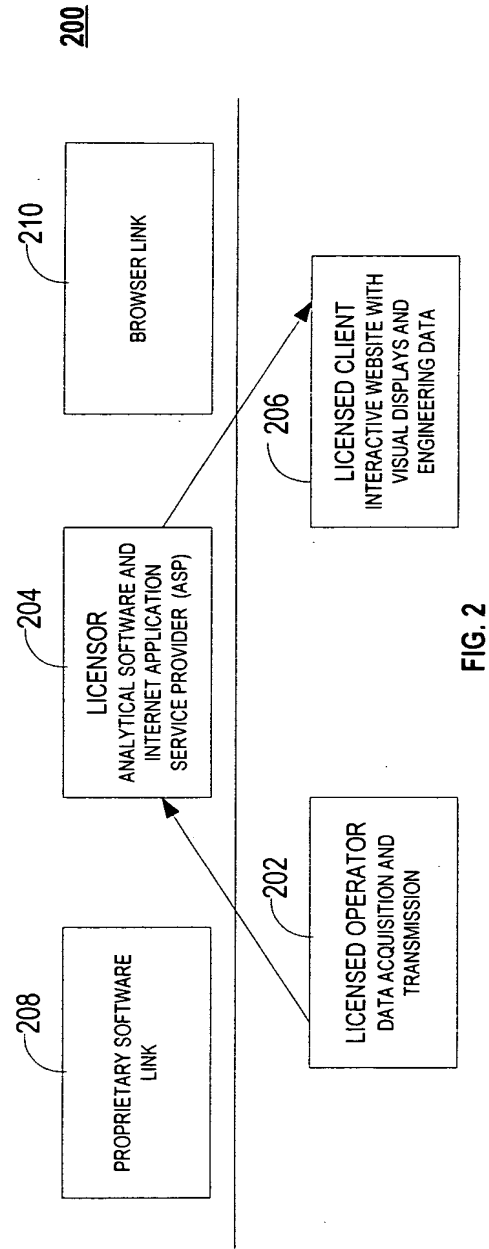
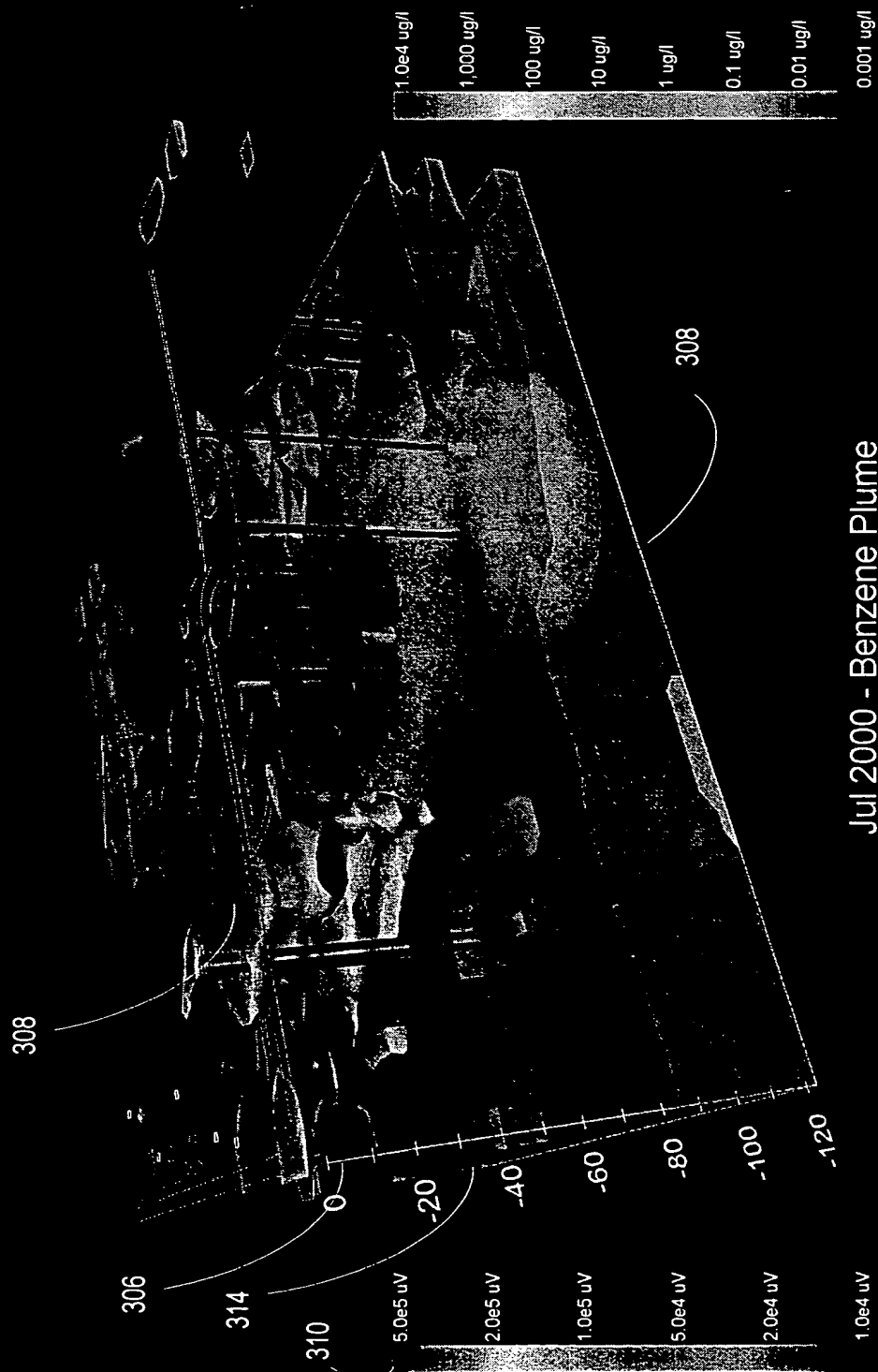


FIG. 2



Jul 2000 - Benzene Plume

FIG.3

400

ENHANCED
MIP PROBE

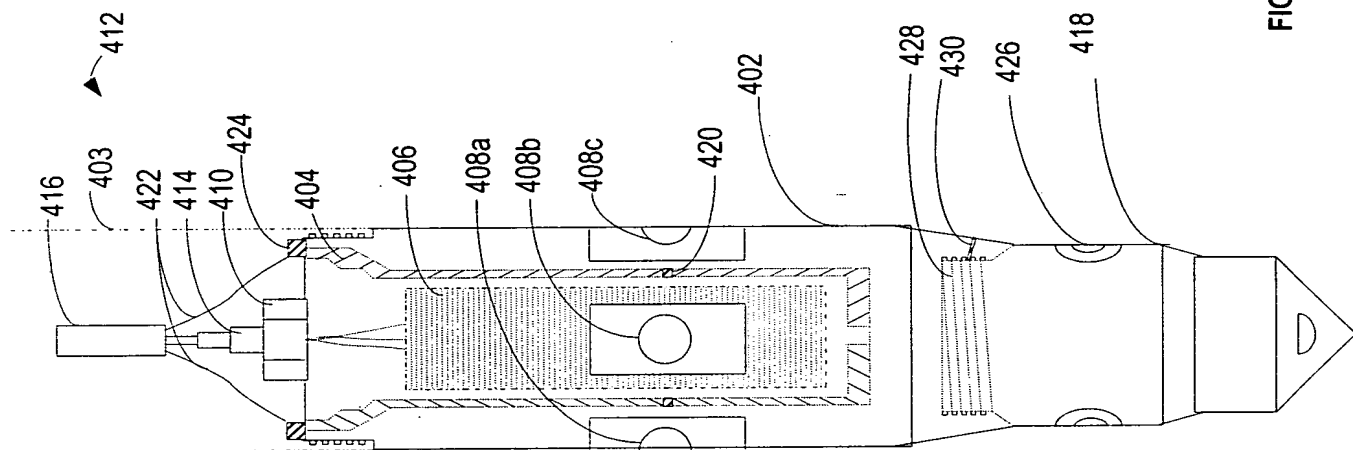


FIG. 4A

Notes:

1. 0.060 x 45 degree chamfer
2. Parker Hannifin Corporation O-ring groove
3. Broach 0.0625 wide groove as shown
4. Material-cold rolled steel
5. Hold these diameters concentric within 0.003 in.
6. Hold all concentric diameters within 0.025 in. unless noted otherwise

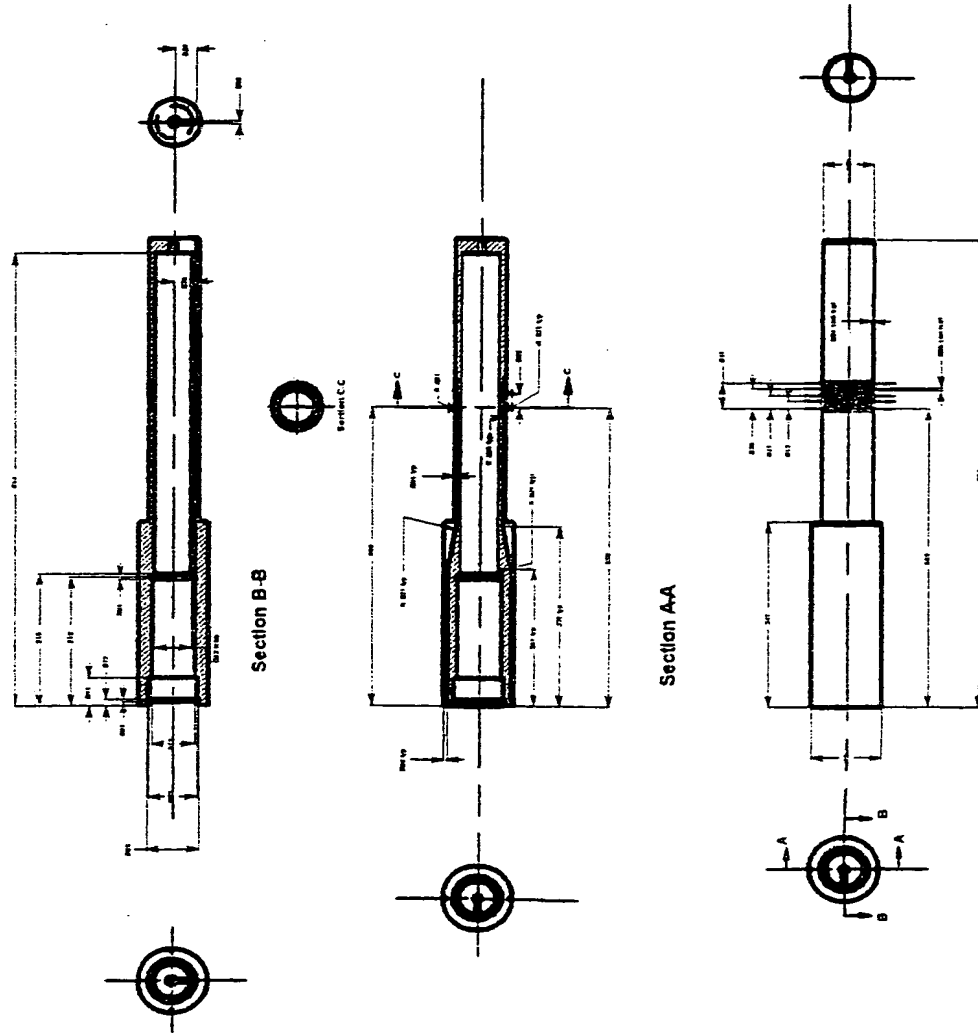


FIG. 4C

Notes:

1. Match sample thread form
2. Sinalley WH-150 snap ring
3. Material-cold rolled steel
4. Break all edges to 0.030 R min.
5. Hold these diameters concentric within 0.003 in.
6. Hold all concentric diameters within 0.025 in. unless noted otherwise

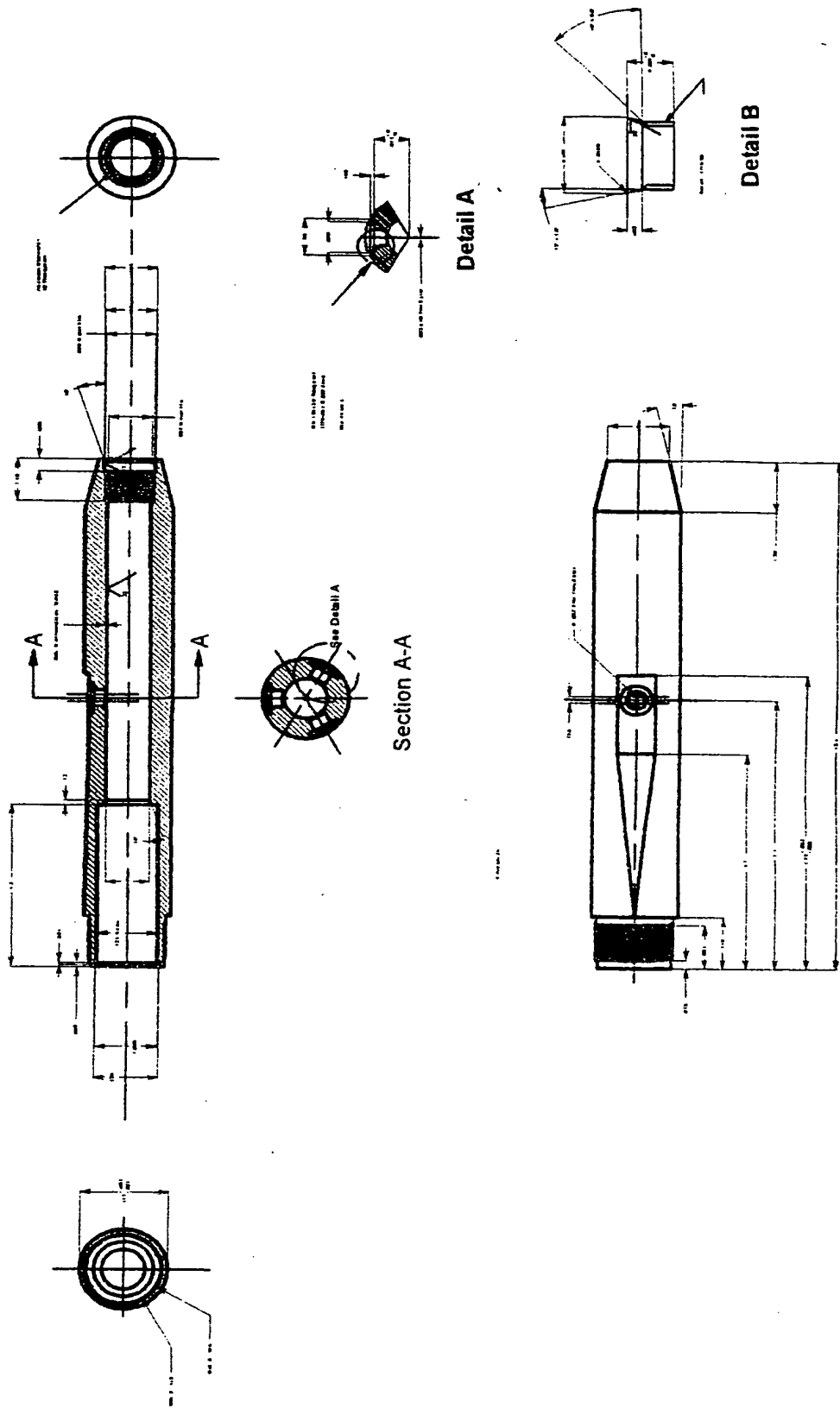


FIG. 4D

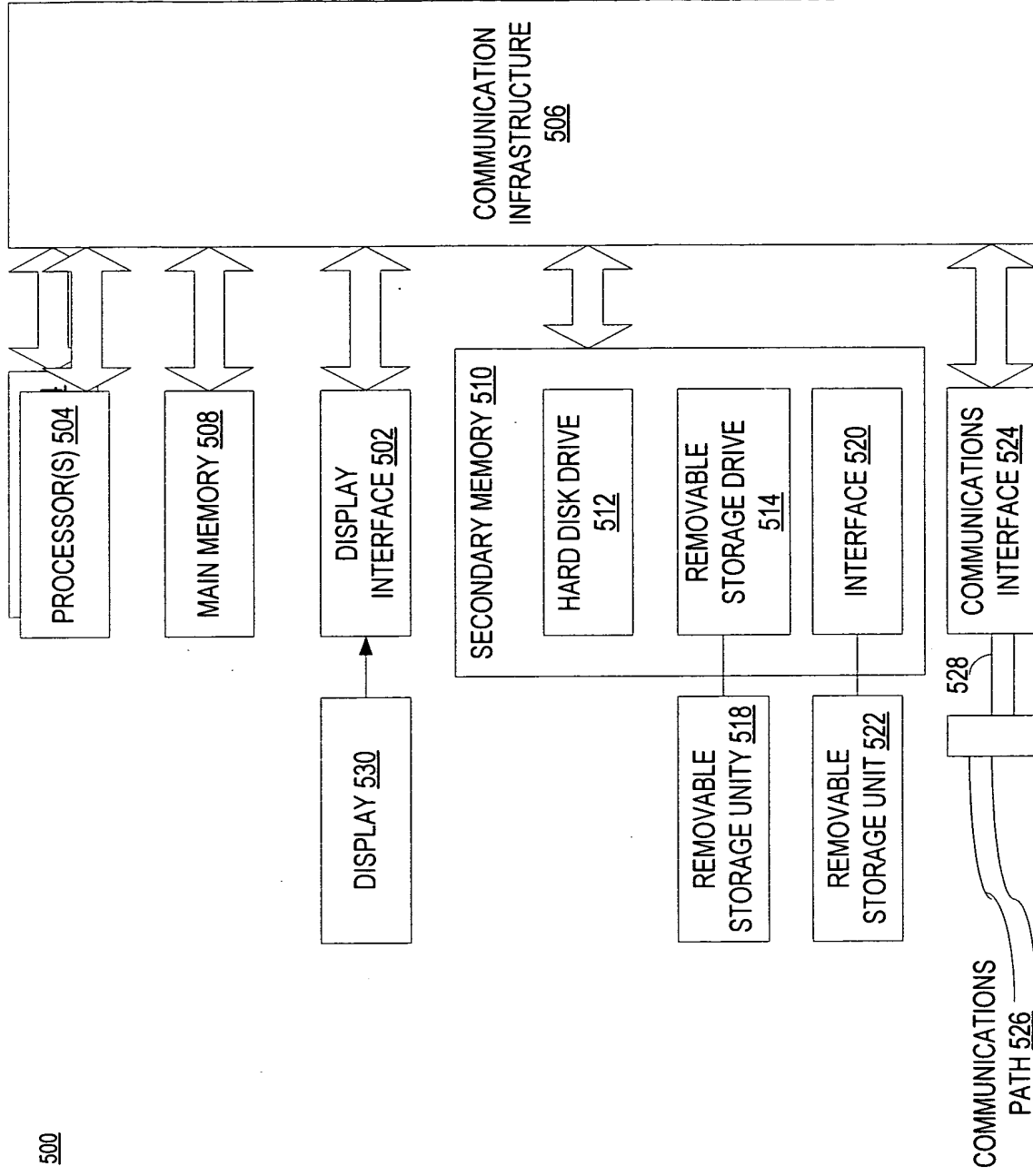
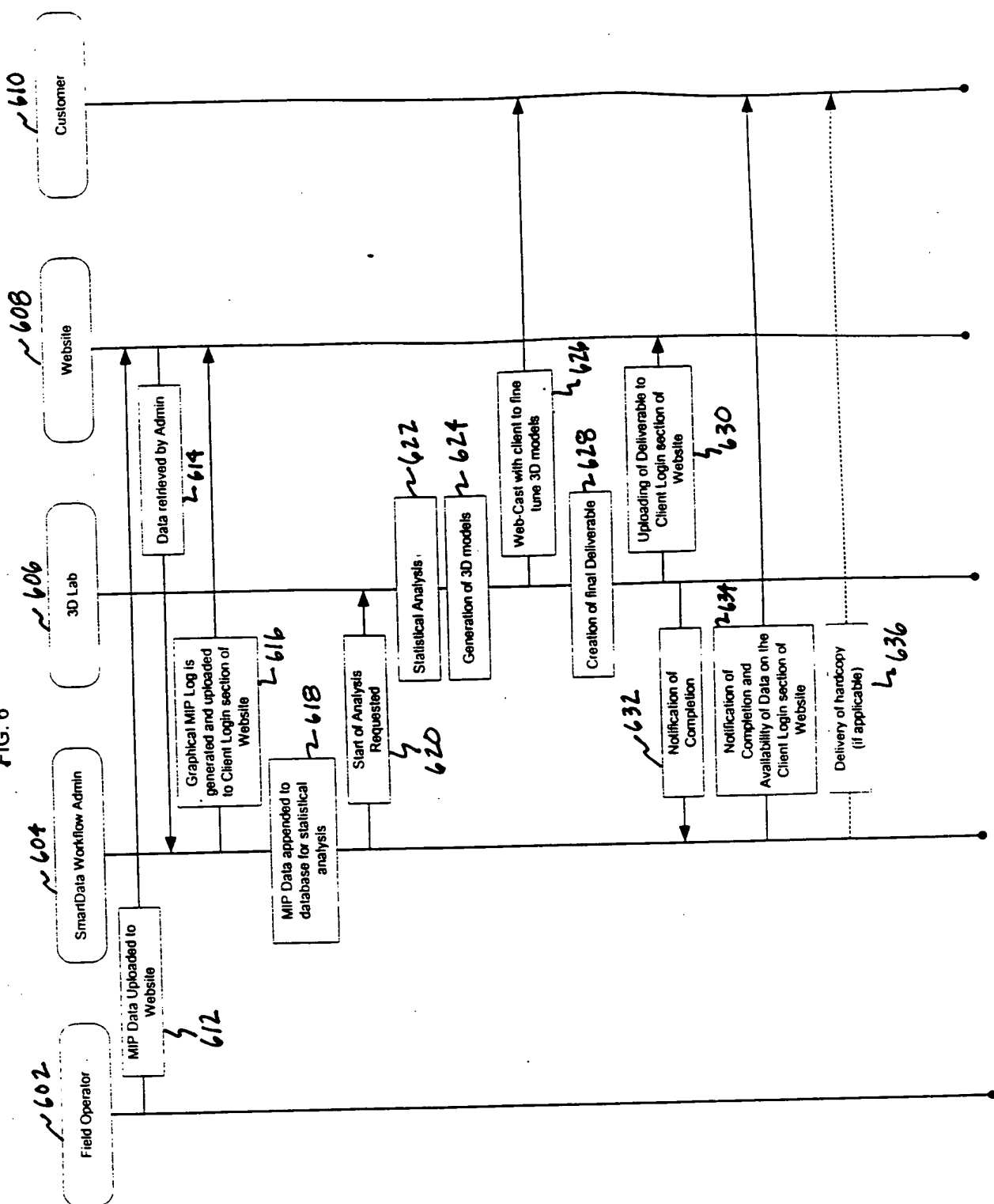


FIG. 5

FIG. 6



SMARTDATA SOLUTIONS™ ARCHITECTURE 700

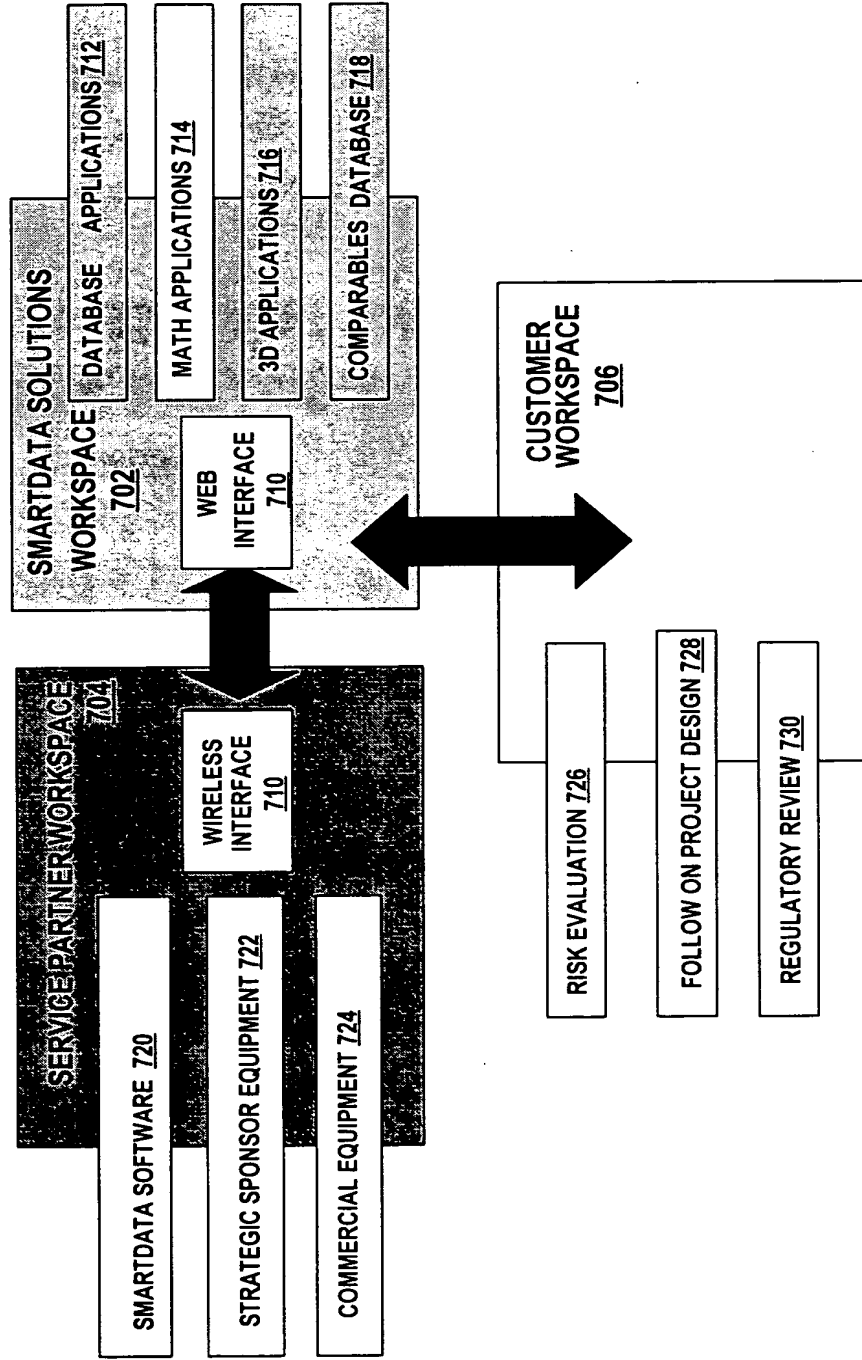


FIG. 7

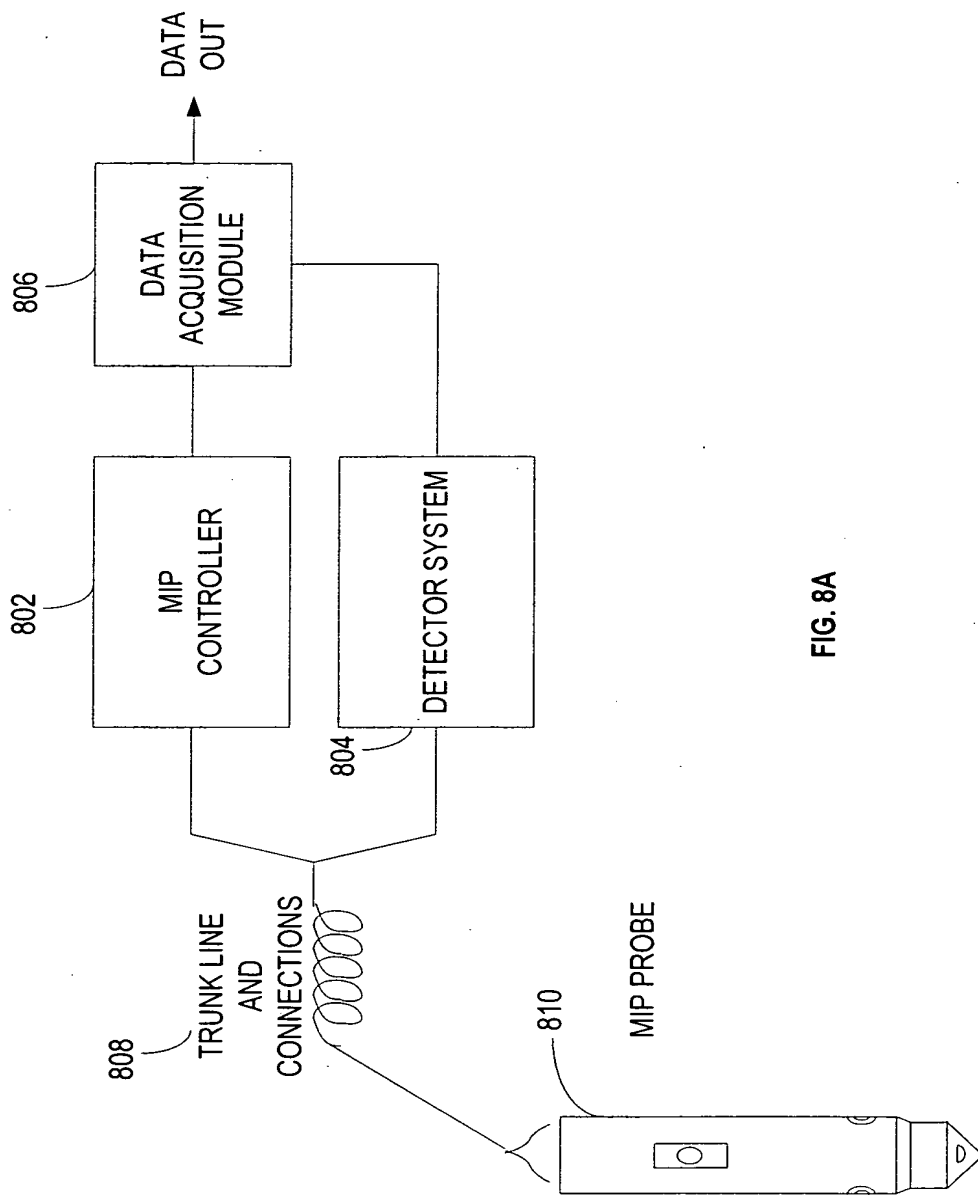


FIG. 8A

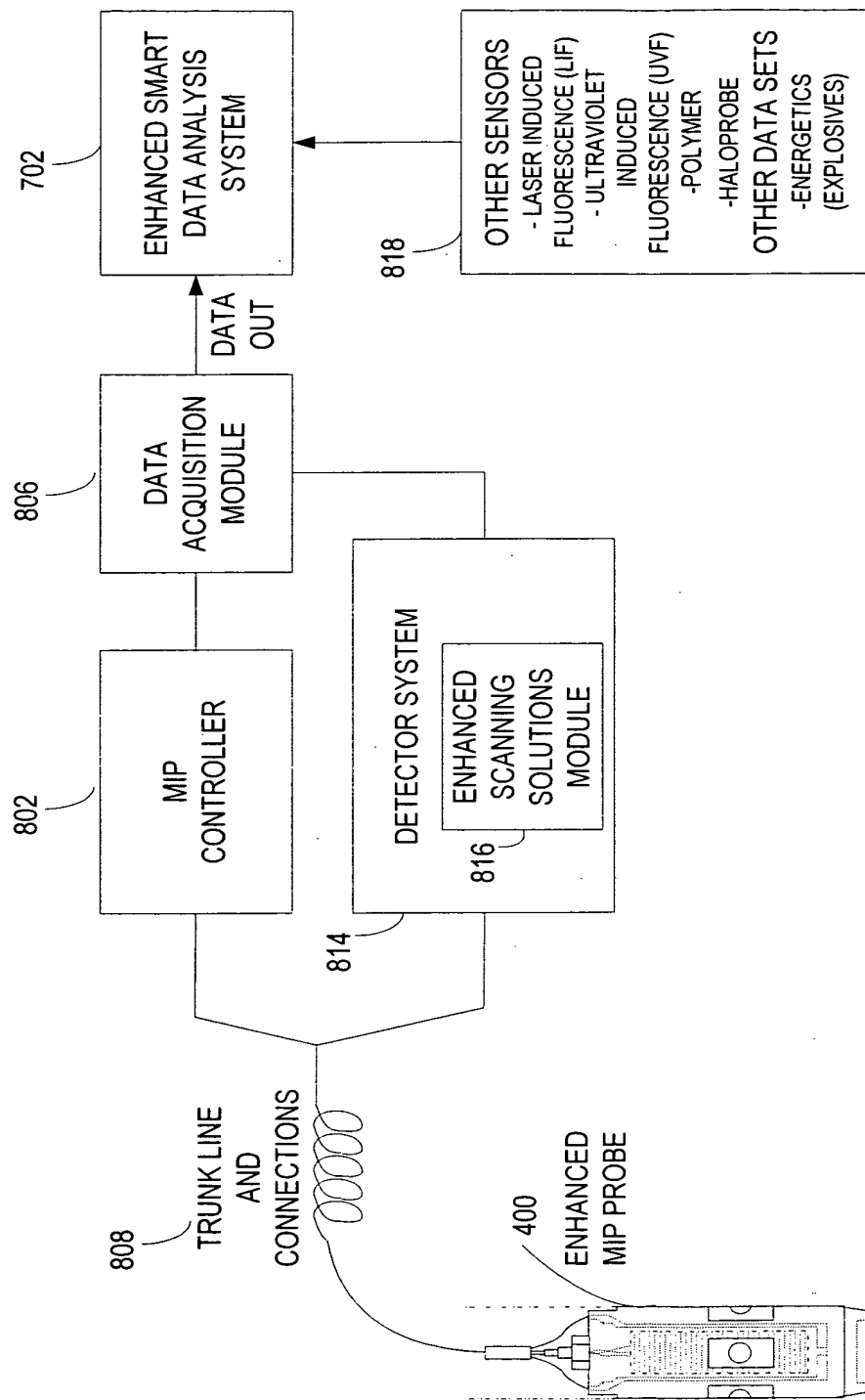


FIG. 8B

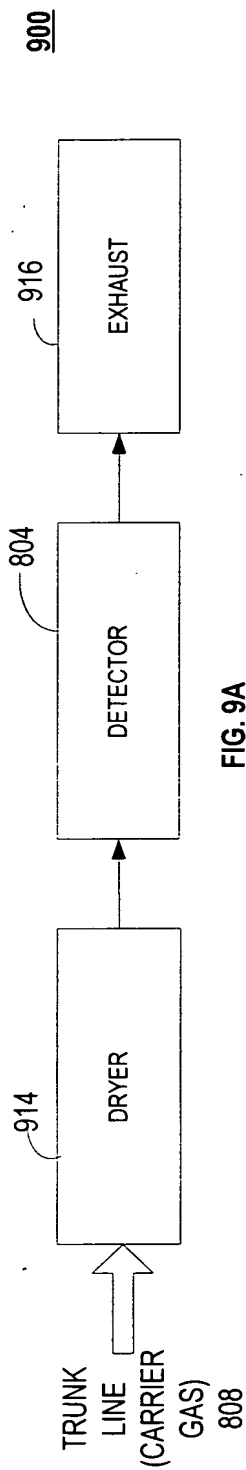


FIG. 9A

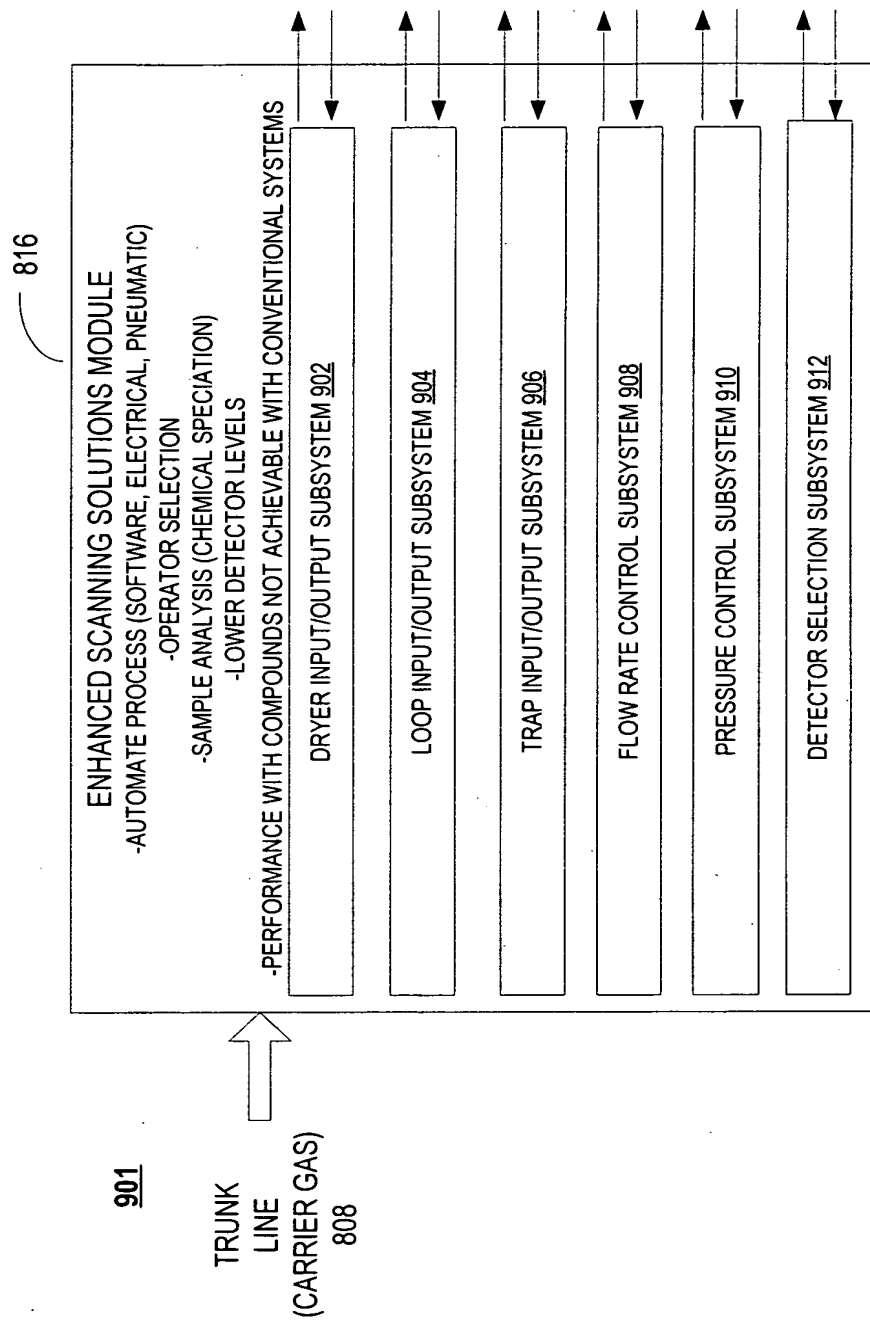


FIG. 9B

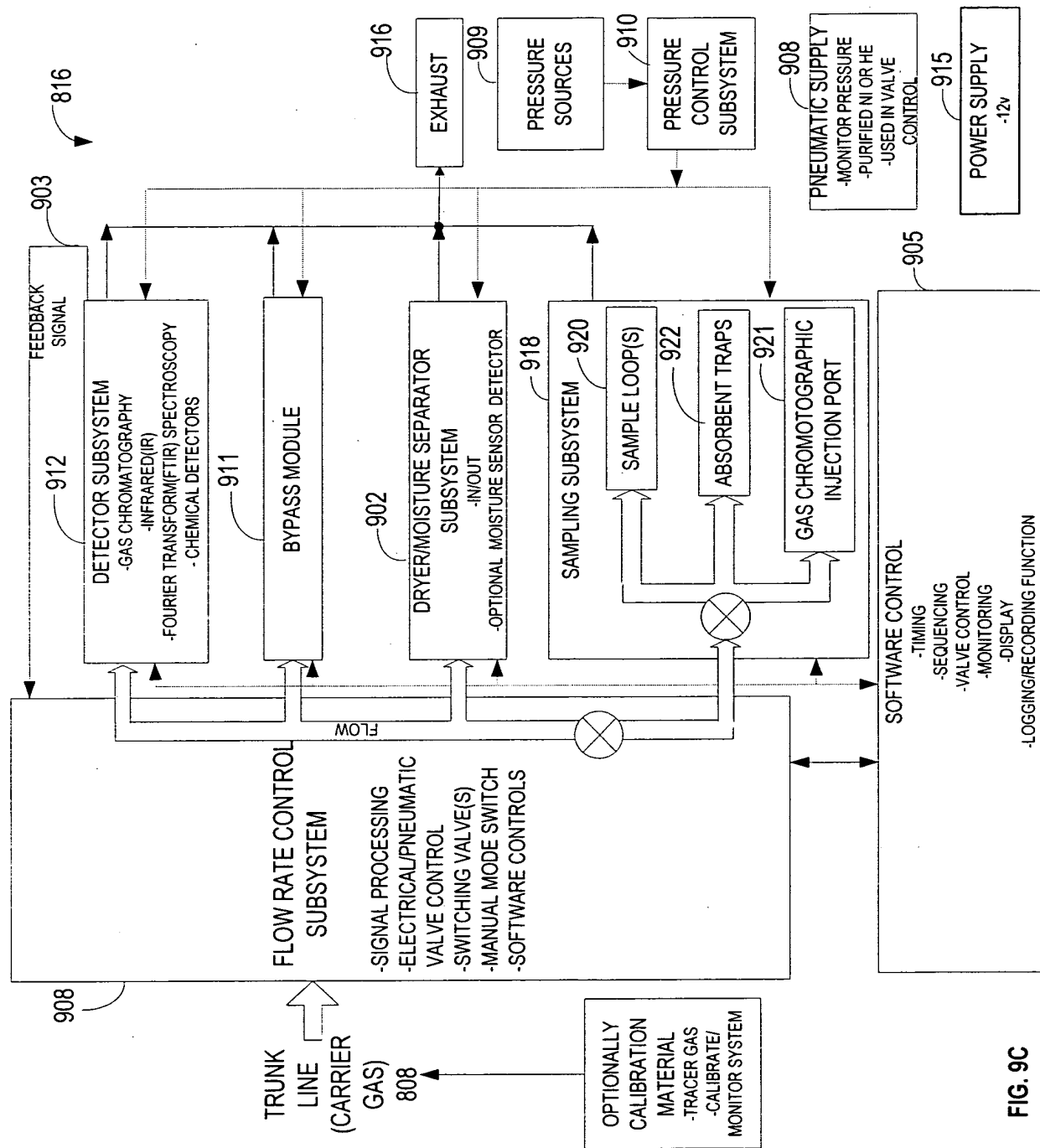


FIG. 9C

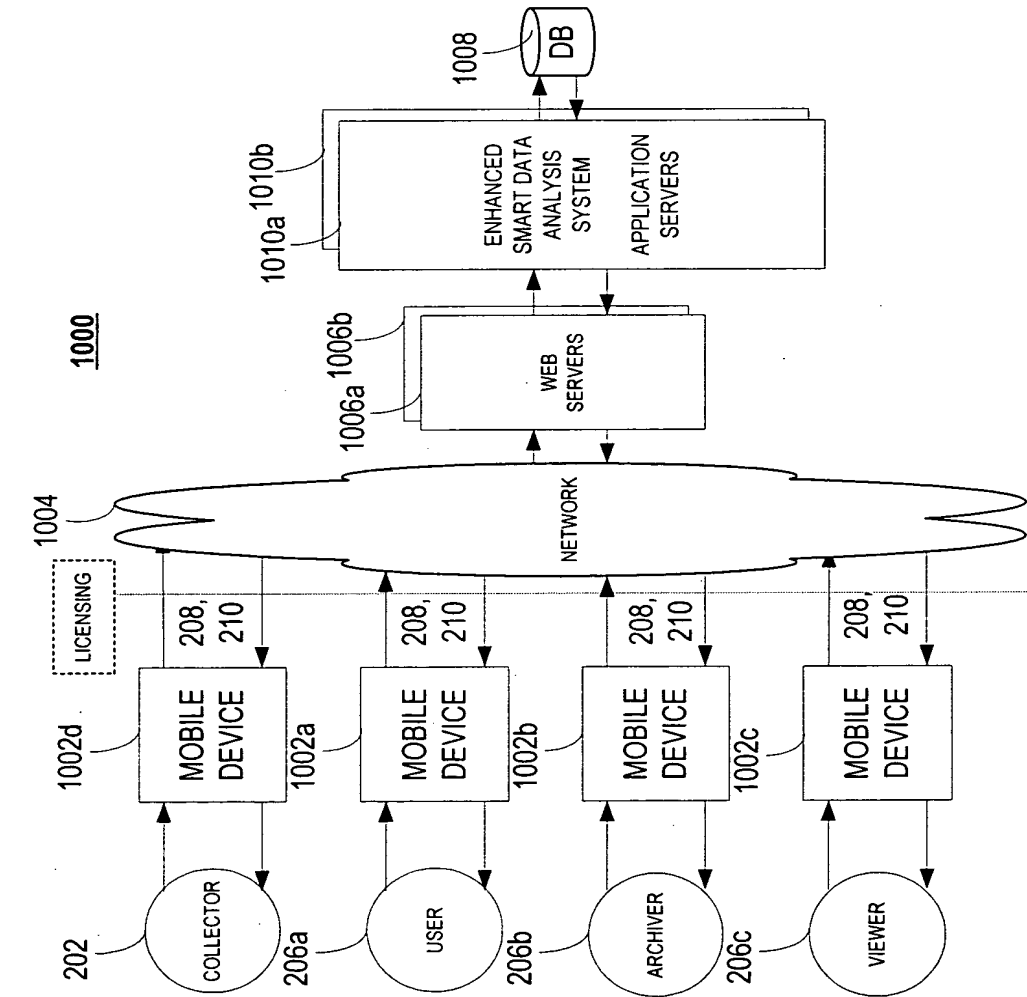
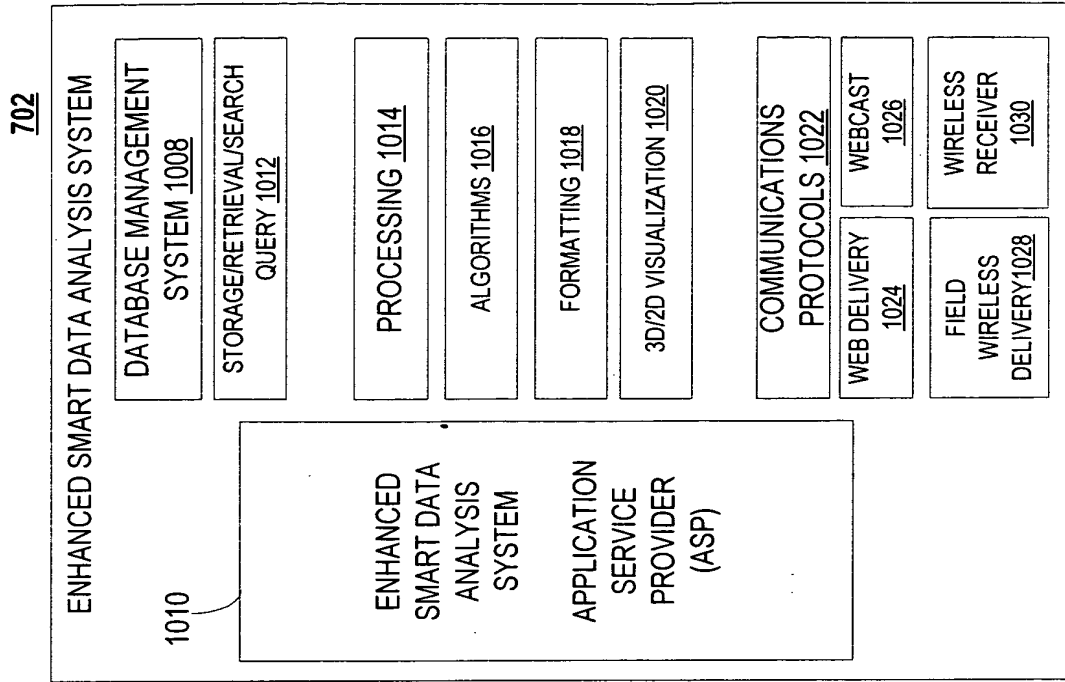


FIG. 10A



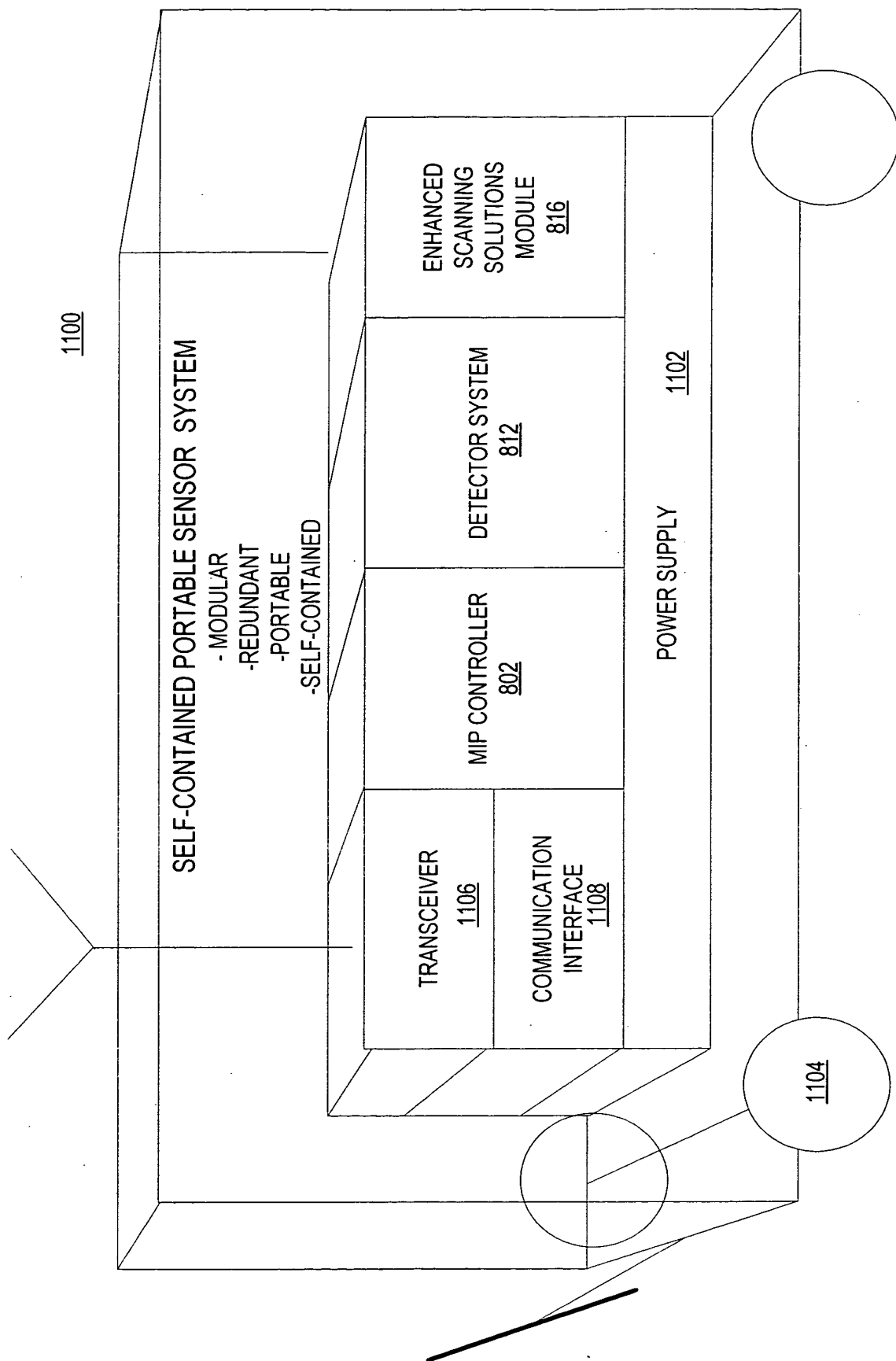
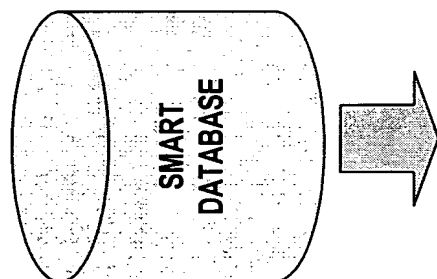


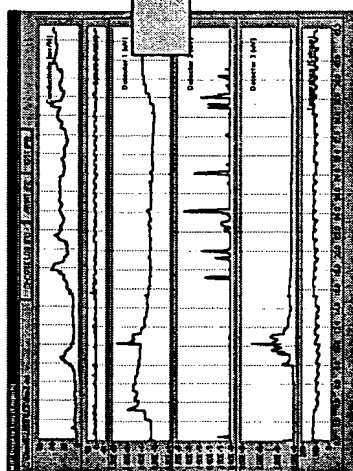
FIG. 11

PROCESSING

- Quality Assurance/ Quality Control - Error trapping
- Data normalization
- Variations
 - Condition of Membrane
 - Actual Subsurface Condition
 - Chemical Concentration
 - Soil/Water Matrix
- Pressure
- Flow Rate
- Condition of Detectors -
 - Drift
 - Calibration
- Depth of Probe
 - Hydrostatic
- Baseline Noise Analytical/Electrical System
- Aggregation
 - Site and contaminant comparison
 - Predictive measure of Risk/Performance
- Formatting and visualization



- Customer Web Interface
- Web Cast
- Wireless Mobile Device Delivery
- Report Deliverables



RAW DATA

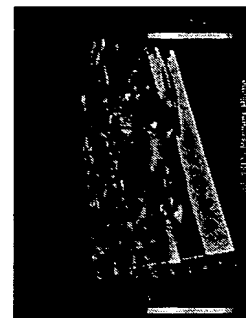
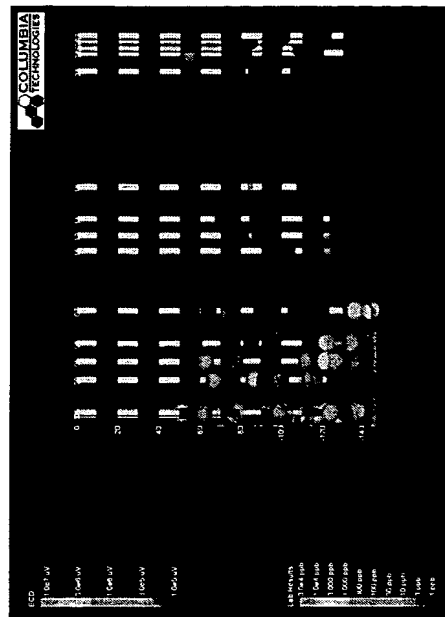


FIG. 12A

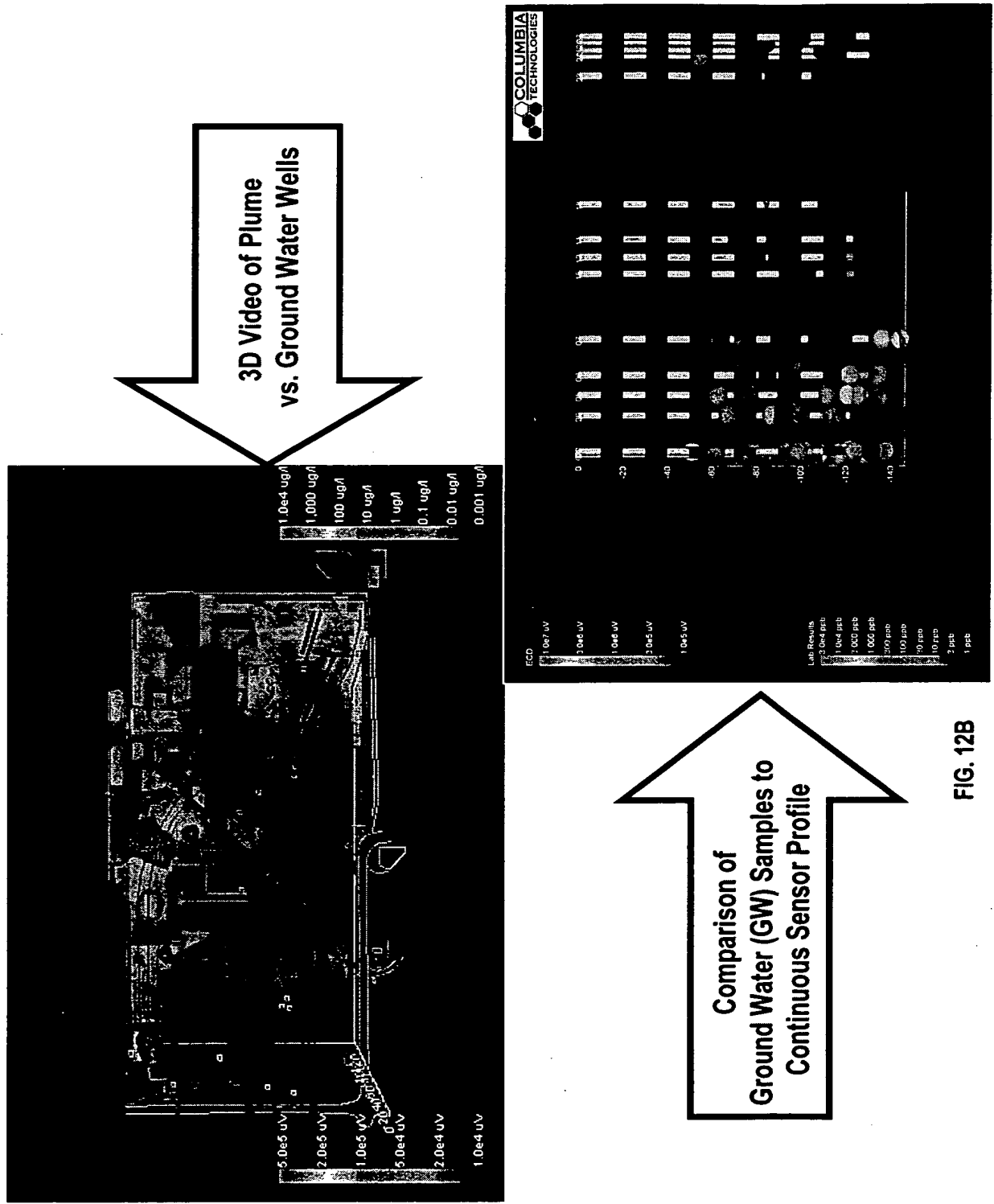


FIG. 12B

DemoCorp



Demo Corp

SmartData Solutions™

Featured Projects

SmartData Solutions was used to delineate a source area under a manufacturing building. The resulting 3D images helped to focus remedial efforts, thereby saving time and cost. Earth Tech's client remarked, "This was the best data he had ever seen!". Dave Rosecrance of Oak Ridge, Tennessee was asked by the TDEC to present the results at their Haz Waste conference in Gatlinburg, Tennessee in May 2002.

Welcome back John Smith

[\[Not John Smith? Click here\]](#)

Your Current Projects

PETROLEUM TERMINAL

MANUFACTURING FACILITY

Other Demo Corp Projects

Brownfield Site

Irving Lambert - San Francisco

Dry Cleaner

Anna Cohen - Tampa

Gas Station

Vernon Wilkes - Baltimore

Vapor Intrusion Site

Sam Fisher - Dallas

Assistance

Customer services

We strive to provide all our customers with the best service possible. If you are experiencing a problem, please do not hesitate to call our customer service department toll-free on 1-888-344-2704

[Contact](#) [Legal](#) [Privacy](#)

FIG. 12C

Your Projects

Manufacturing Facility



SmartData Solutions™

Site Information

Manufacturing Facility
Savanna, GA
Project Dates

Started: 8/12/2002

Completed: 8/21/2002
Status

Completed

Movie Information

■ Play the movie

The Movies (.AVI files) contained on this CD can be viewed with Microsoft Media Player. In the event the movie does not play, you may need the appropriate decompression software.

We have enclosed this software on the CD. To install this software, simply run the file and select "install" when prompted.

Install!
Decompression
Software

Click the link above, then click "Open" to run setup program.

■ Use another Media Player then what comes with Windows

As an alternative to Media Player, we have included a viewer called **Camtasia Player** that can be installed free of charge. This is in our view, a very good product and should be used in case Media Player fails to play the

■ Completed Deliverables

As your order is completed, each item will be added to this screen. Your sitemap is still available by clicking on the "Sitemap" heading below.

You can get this content delivered to you on a CDROM, please contact your sales representative or the SmartData Solutions™ Team for assistance.

■ Sitemap

■ Images

ECD 1+E6, Plan View (Full site)	{71 kb}
ECD 1+E6, Plan View	71 kb
ECD 5+E6, Plan View	100 kb
ECD 5+E5, Transect	{71 kb}
ECD Slice, Lab Data	{81 kb}

■ Movies

📽 Plan View, 360 Fly-around (Lab Data)	{11 mb}
📽 Plan View, 360 Fly-around (Full site)	{41 mb}

■ Presentations

📺 SmartData Solutions™ Overview	{2 mb}
---------------------------------	--------

Webcast

View



MIP Logs

CPT01CPT
PGCPT01
PGCPT02
PGCPT03
PGCPT04
PGCPT05
PGCPT06
PGCPT07
PGCPT08
PGCPT08C
PGCPT09
PGCPT11
PGCPT12
PGCPT15
PGCPT18
PGCPT1CF
PGCPT23
PGCPT24
PGCPT25
PGCPT26
PGCPT27
PGCPT29

Resource

Assistance

Customer services

We strive to provide all our customers with the best service possible. If you are experiencing a problem, please do not hesitate to call our customer service department toll-free on 1-888-344-2704

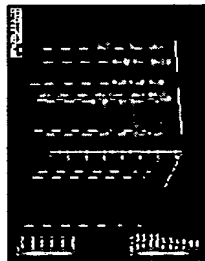
FIG. 12D

The Images below were selected during the LIVE Webcast. Each Image can be selected as the basis for a movie and to be included in a report. Refer to the check boxes to the right of the image for all the options available for that image.

Previous Order Exist

A previous order exists for this webcast. You can add to this order by selecting more Deliverables and click "Update Order". To remove items from the existing order, uncheck the items and click "Update Order". Previously ordered items are listed in Red for clarity.

Oblique Views



Click to enlarge

SOIL	[not shown]	<input type="checkbox"/> Include in Report
PID	[not shown]	<input checked="" type="checkbox"/> Electronic Image
FID	[not shown]	<input type="checkbox"/> Create Basic Movie
ECD	1.0e+006 uV	

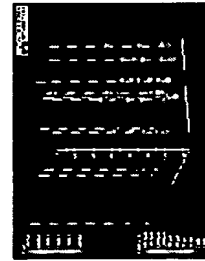
View: Looking North (N)
Comment: lab



Click to enlarge

SOIL	[not shown]	<input type="checkbox"/> Include in Report
PID	[not shown]	<input type="checkbox"/> Electronic Image
FID	[not shown]	<input type="checkbox"/> Create Basic Movie
ECD	5.0e+005 uV	

View: Looking West (W)
Comment: lab



Click to enlarge

SOIL	[not shown]	<input type="checkbox"/> Include in Report
PID	[not shown]	<input checked="" type="checkbox"/> Electronic Image
FID	[not shown]	<input type="checkbox"/> Create Basic Movie
ECD	5.0e+006 uV	

View: Looking North (N)
Comment: lab

FIG. 12E